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# EQUIPMENT REQUISITE FOR ARMY IN TIME OF WAR

## LETTER FROM THE SECRETARY OF WAR

TRANSMITTING

IN RESPONSE TO A SENATE RESOLUTION OF JANUARY 11, 1915, AN ESTIMATE OF THE EQUIPMENT REQUISITE FOR A MOBILE ARMY OF APPROXIMATELY 460,000 MEN IN TIME OF WAR

JANUARY 26, 1915.—Referred to the Committee on Military Affairs and ordered to be printed

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# EQUIPMENT REQUISITE FOR ARMY IN TIME OF WAR.

WAR DEPARTMENT,
*Washington, January 26, 1915.*

he PRESIDENT UNITED STATES SENATE,
*Washington, D. C.*

SIR: In compliance with directions contained in the resolution of e Senate dated January 11, 1915, I have the honor to submit the lowing report:

On February 20, 1911, a board of officers of which Lieut. Col. eble, General Staff, was president, and Capt. Connor, General Staff, s recorder, was appointed by order of the Secretary of War "to nsider questions concerning the types of field guns and ammunition pply therefor."

On report of this board under date of June 23, 1911, is the following:

* * The Secretary of War having approved the accompanying report of the rd of officers convened in Washington, D. C., to consider questions concerning the es of field guns and ammunition supply therefor, directs that policy outlined in report be adopted by the General Staff.

And under date of July 14, 1911:

he Secretary of War directs that the accompanying report of the board of officers on es of field guns and ammunition supply therefor be referred to the Chief of Ordace, the Quartermaster General, and the Chief Signal Officer, and then filed in Adjutant General's Office.

The report of this board contains the following:

n February 4, 1911, the Chief of Staff approved a memorandum to the effect that ase of war with a first-class power, it would be necessary for the United States to at once a mobile force of approximately 450,000 men within the continental nts of the United States * * * recommended that the number of guns below procured in time of peace * * * total batteries 323 * * * total guns 2 * * *.

The total number of rounds which the board stated, in different ts of its report, should be provided in time of peace is 1,713,240. board added in the report:

is to be noted that the ammunition here provided for is simply that which should n hand at the outbreak of war, and is in no sense a complete supply for war.

The following is contained in the orders publishing the Tables of anization, February 25, 1914:

he following tables of organization prepared by the General Staff of the Army are oved and published for the information and government of the Regular Army Organized Militia of the United States. * * *

According to Table 2A, page 7, of these tables of organization, ch states in detail the small-arms ammunition necessary for troops ll arms, the amount of rifle ammunition required for a mobile y of approximately 460,000 men is calculated to be 513,430,640 nds of rifle ball cartridges.

Herewith is a table giving the information in greater detail:

| | To be on hand as per tables of organization and the Greble Board. | On hand Jan. 1, 1911. | Difference |
|---|---|---|---|
| Rifle ball cartridges | 513,430,640 | 244,190,209 | 269,240, |
| Field Artillery guns and howitzers | 1,292 | 743 | |
| Field Artillery ammunition, rounds | 1,713,240 | 224,097 | 1,489, |

Very sincerely,

LINDLEY M. GARRISON,
*Secretary of War.*

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*Tabular statement of rifle ammunition, field artillery ammunition, and field artillery, reply to Senate resolution dated Jan. 11, 1915.*

[Per report by Chief of Ordnance, dated Jan. 20, 1915.]

| | (1) To be on hand at outbreak of war. | (2) On hand, and under manufacture on Jan. 1, 1915. | | | (3) |
|---|---|---|---|---|---|
| | Per tables of organization. | On hand. | Under manufacture. | Total. | Excess (1) ov tota stated (2). |
| *Rifle ammunition.* | | | | | |
| Ball cartridges, caliber .30, model 1906 | 513,130,640 | 208,077,396 | 23,109,200 | 231,186,596 | 282,24 |
| Ball cartridges, caliber .30, model 1898 | ..... | 36,112,813 | ..... | 36,112,813 | ..... |
| | Per Greble Board. | | | | |
| *Field artillery ammunition.* | | | | | |
| 2.95-inch mountain gun (obsolescent) | ..... | 51,800 | 2,260 | 54,060 | ..... |
| 3-inch mountain howitzer | 91,800 | 3,798 | ..... | 3,798 | |
| 3-inch gun | 1,219,776 | 170,131 | 327,752 | 498,183 | 7 |
| 3.8-inch gun | ..... | 1,582 | 500 | 2,082 | ..... |
| 3.8-inch howitzer | 149,760 | 10,240 | 5,926 | 16,166 | 1 |
| 4.7-inch gun | 69,888 | 10,563 | 3,962 | 14,525 | |
| 4.7-inch howitzer | 129,600 | 15,075 | 7,634 | 22,709 | 1 |
| 6-inch howitzer | 52,416 | 12,408 | 4,087 | 16,495 | |
| *Field Artillery: Guns, packs, and carriages.* | | | | | |
| 2.95-inch mountain guns (obsolescent) | ..... | 80 | ..... | 80 | ..... |
| Packs for 2.95-inch mountain-gun batteries | ..... | 1,320 | ..... | 1,320 | ..... |
| 3-inch mountain guns | 108 | 4 | [1] 24 | 28 | |
| Packs for 3-inch mountain-gun batteries | 2,955 | 60 | [1] 60 | 120 | |
| 3-inch guns | 780 | 514 | 78 | 592 | |
| Carriages— | | | | | |
| 3-inch gun carriages | 780 | 504 | 68 | 572 | |
| 3-inch gun-carriage limbers | 780 | 533 | 39 | 572 | |
| 3-inch gun caissons | 2,916 | 1,516 | 240 | [2] 1,756 | |
| 3-inch gun-ammunition limbers | 2,916 | 1,587 | 164 | [2] 1,751 | |
| 3-inch gun-battery wagons | 227 | 132 | 6 | 138 | |
| 3-inch gun-forge limbers | 227 | 138 | ..... | 138 | |
| 3-inch gun store wagons | 227 | 131 | 6 | 137 | |
| 3-inch gun store wagon limbers | 227 | 131 | 6 | 137 | |

[1] To be ordered.

[2] Eight of each to be ordered.

*abular statement of rifle ammunition, field artillery ammunition, and field artillery, in reply to Senate resolution dated Jan. 11, 1915*—Continued.

| | (1) | (2) | | | (3) |
|---|---|---|---|---|---|
| | To be on hand at outbreak of war. | On hand, and under manufacture on Jan. 1, 1915. | | | Excess of (1) over total stated in (2). |
| | Per Greble Board. | On hand. | Under manufacture. | Total. | |
| *Field Artillery: Guns, packs, and carriages*—Continued. | | | | | |
| inch guns | | 8 | | 8 | |
| Carriages— | | | | | |
| 3.8-inch gun carriages | | 8 | | 8 | |
| 3.8-inch gun carriage limbers | | 8 | | 8 | |
| 3.8-inch gun caissons | | 24 | | 24 | |
| 3.8-inch gun ammunition limbers | | 24 | | 24 | |
| 3.8-inch gun battery wagons | | 2 | | 2 | |
| 3.8-inch gun forge limbers | | 2 | | 2 | |
| 3.8-inch gun store wagons | | 2 | | 2 | |
| 3.8-inch gun store wagon limbers | | 2 | | 2 | |
| 3.8-inch howitzers | 144 | 28 | 32 | 60 | 84 |
| 3.8-inch howitzer carriages | 144 | 8 | 52 | 60 | 84 |
| 3.8-inch howitzer carriage limbers | 144 | 8 | 52 | 60 | 84 |
| 3.8-inch howitzer caissons | 792 | 25 | 155 | 180 | 612 |
| 3.8-inch howitzer ammunition limbers | 792 | 88 | 92 | 180 | 612 |
| 3.8-inch howitzer battery wagons | 46 | 7 | 8 | 15 | 31 |
| 3.8-inch howitzer forge limbers | 46 | 9 | 6 | 15 | 32 |
| 3.8-inch howitzer store wagons | 46 | 15 | | 15 | 31 |
| 3.8-inch howitzer store limbers | 46 | 15 | | 15 | 31 |
| inch guns | 60 | 40 | 10 | 50 | 20 |
| Carriages— | | | | | |
| 4.7-inch gun carriages | 60 | 38 | 10 | 48 | 12 |
| 4.7-inch gun carriage limbers | 60 | 38 | 10 | 48 | 12 |
| 4.7-inch gun caissons | 324 | 120 | 25 | 145 | 179 |
| 4.7-inch gun ammunition limbers | 324 | 120 | 25 | 145 | 179 |
| 4.7-inch gun battery wagons | 21 | 10 | | 10 | 11 |
| 4.7-inch gun forge limbers | 21 | 10 | | 10 | 11 |
| 4.7-inch gun store wagons | 21 | 10 | | 10 | 11 |
| 4.7-inch gun store limbers | 21 | 10 | | 10 | 11 |
| ch howitzers | 140 | 37 | 71 | 108 | 32 |
| arriages— | | | | | |
| 4.7-inch howitzer carriages | 140 | 56 | 52 | 108 | 32 |
| 4.7-inch howitzer carriage limbers | 140 | 72 | 36 | 108 | 32 |
| 4.7-inch howitzer caissons | 780 | 216 | 108 | 324 | 456 |
| 4.7-inch howitzer ammunition limbers | 780 | 252 | 72 | 324 | 456 |
| 4.7-inch howitzer battery wagons | 47 | 21 | 6 | 27 | 20 |
| 4.7-inch howitzer forge limbers | 47 | 10 | 17 | 27 | 20 |
| 4.7-inch howitzer store wagons | 47 | 21 | 6 | 27 | 20 |
| 4.7-inch howitzer store limbers | 47 | 10 | 17 | 27 | 20 |
| howitzers | 60 | 32 | 8 | 40 | 20 |
| arriages— | | | | | |
| 6-inch howitzer carriages | 60 | 32 | 8 | 40 | 20 |
| 6-inch howitzer carriage limbers | 60 | 32 | 8 | 40 | 20 |
| 6-inch howitzer caissons | 324 | 96 | 24 | 120 | 204 |
| 6-inch howitzer ammunition limbers | 324 | 96 | 24 | 120 | 204 |
| 6-inch howitzer battery wagons | 21 | 8 | 2 | 10 | 11 |
| 6-inch howitzer forge limbers | 21 | 8 | 2 | 10 | 11 |
| 6-inch howitzer store wagons | 21 | 8 | 2 | 10 | 11 |
| 6-inch howitzer store limbers | 21 | 8 | 2 | 10 | 11 |
| *Artillery harness.* | | | | | |
| sets | 6,704 | 2,798 | 527 | 3,325 | 3,379 |
| do | 14,400 | 5,412 | 1,071 | 6,483 | 7,917 |

reference to the field artillery ammunition, the Chief of Ordnance s, in his aforementioned report of January 20, 1915, that "it is cted that all of that under manufacture except possibly 75,000

rounds of that for the 3-inch field gun will be completed by the end of the current fiscal year." In reference to the rifle ammunition, he states that the amount reported on hand January 1, 1915, consists of that "in stores, in hands of troops of the Regular Army and Organized Militia, and in colleges." The amount of ammunition reported as "under manufacture" includes all that is "being manufactured under appropriations which have already been made."

The number of "batteries" recommended by the Greble Board and the number on hand, as per foregoing statement, is as follows:

| Greble Board. | On hand Jan. 1, 1915. | | Greble Board. | On hand Jan. 1, 1915. | |
|---|---|---|---|---|---|
| ..... | 20 | 2.95-inch mountain guns (obsolescent). | 36 | 2 | 3.8-inch howitzers. |
| | | | 15 | 9½ | 4.7-inch guns. |
| 27 | 1 | 3-inch mountain howitzers. | 35 | 9¼ | 4.7-inch howitzers. |
| 195 | 126 | 3-inch guns. | 15 | 8 | 6-inch howitzerss. |
| ..... | 2 | 3.8-inch guns. | | | |

The material recommended by the Greble Board in excess of that required for the batteries recommended was for three ammunition trains.

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